

Examiner: Elizabeth Bolden  
Art Unit: 1755  
Telephone: 703-305-0124

Docket No.: NHL-SCT-16  
Serial No.: 09/727,998  
Fax: 703-746-9113

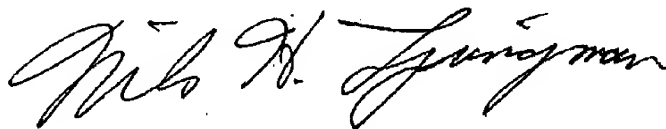
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

EXAMINER: Elizabeth Bolden  
ART UNIT: 1755  
SERIAL NO.: 09/727,998  
FILING DATE: December 1, 2000  
INVENTORS: Ina MITRA, Danuta GRABOWSKI, Uwe KOLBERG,  
and Paul KISSL  
TITLE: ZINC-CONTAINING OPTICAL GLASS MATERIALS

INFORMAL PROPOSED CLAIMS FOR INTERVIEW

The following are two informal proposed independent claims marked "A" and "B". These claims are for the Examiner's review in preparation for the telephonic interview between the Examiner and the undersigned scheduled for tomorrow, Thursday, September 11, 2003, at 3:00 PM.

Respectfully submitted,



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### INFORMAL PROPOSED CLAIMS "A" AND "B"

A. (new) A zinc-containing optical glass, suitable for use as an optical element, with a refractive index ( $n_d$ ) being in the range of from about 1.52 to about 1.66 and an Abbe number ( $V_d$ ) being in the range of from about 35 to about 54;

said zinc-containing optical glass consisting essentially of, on an oxide basis, the composition of:

<u>Material</u>	<u>Percentage by weight</u>
SiO <sub>2</sub>	38 - 58
ZnO	0.3 - 42
PbO	0 - <30
sum of ZnO+PbO	20 - 55
Li <sub>2</sub> O	0 - <3
Na <sub>2</sub> O	0 - 14
K <sub>2</sub> O	0 - 12
sum of Li <sub>2</sub> O+Na <sub>2</sub> O+K <sub>2</sub> O	≥2
F	0 - 3
MgO	0 - 6
CaO	0 - <5

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SrO	0 - 6
BaO	0 - <0.9
B <sub>2</sub> O <sub>3</sub>	0 - <1
Al <sub>2</sub> O <sub>3</sub>	0 - <1.5
ZrO <sub>2</sub>	0 - <2.

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B. (new) A zinc-containing optical glass, suitable for use as an optical element, with a refractive index ( $n_d$ ) being in the range of from about 1.52 to about 1.66 and an Abbe number ( $V_d$ ) being in the range of from about 35 to about 54;

said zinc-containing optical glass consisting essentially of, on an oxide basis, the composition of:

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sum of Li <sub>2</sub> O+Na <sub>2</sub> O+K <sub>2</sub> O	≥2
F	0 - 3
MgO	0 - 6
CaO	0 - <5
SrO	0 - 6

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BaO	0 - <0.9
B <sub>2</sub> O <sub>3</sub>	0 - <1
Al <sub>2</sub> O <sub>3</sub>	0 - <1.5
ZrO <sub>2</sub>	0 - <2
Cs <sub>2</sub> O	up to at most about 2.5;

up to about 5% by weight of one member of the group  
and combinations thereof: Rb<sub>2</sub>O, La<sub>2</sub>O<sub>3</sub>, Y<sub>2</sub>O<sub>3</sub>, and GeO<sub>2</sub>;

≥0% by weight of a coloring component; and

≥0% by weight of at least one refining agent.